

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082407.D
 Acq On : 31 May 2024 14:46
 Operator : JC\MD
 Sample : PB161190ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#05

Quant Time: May 31 22:58:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

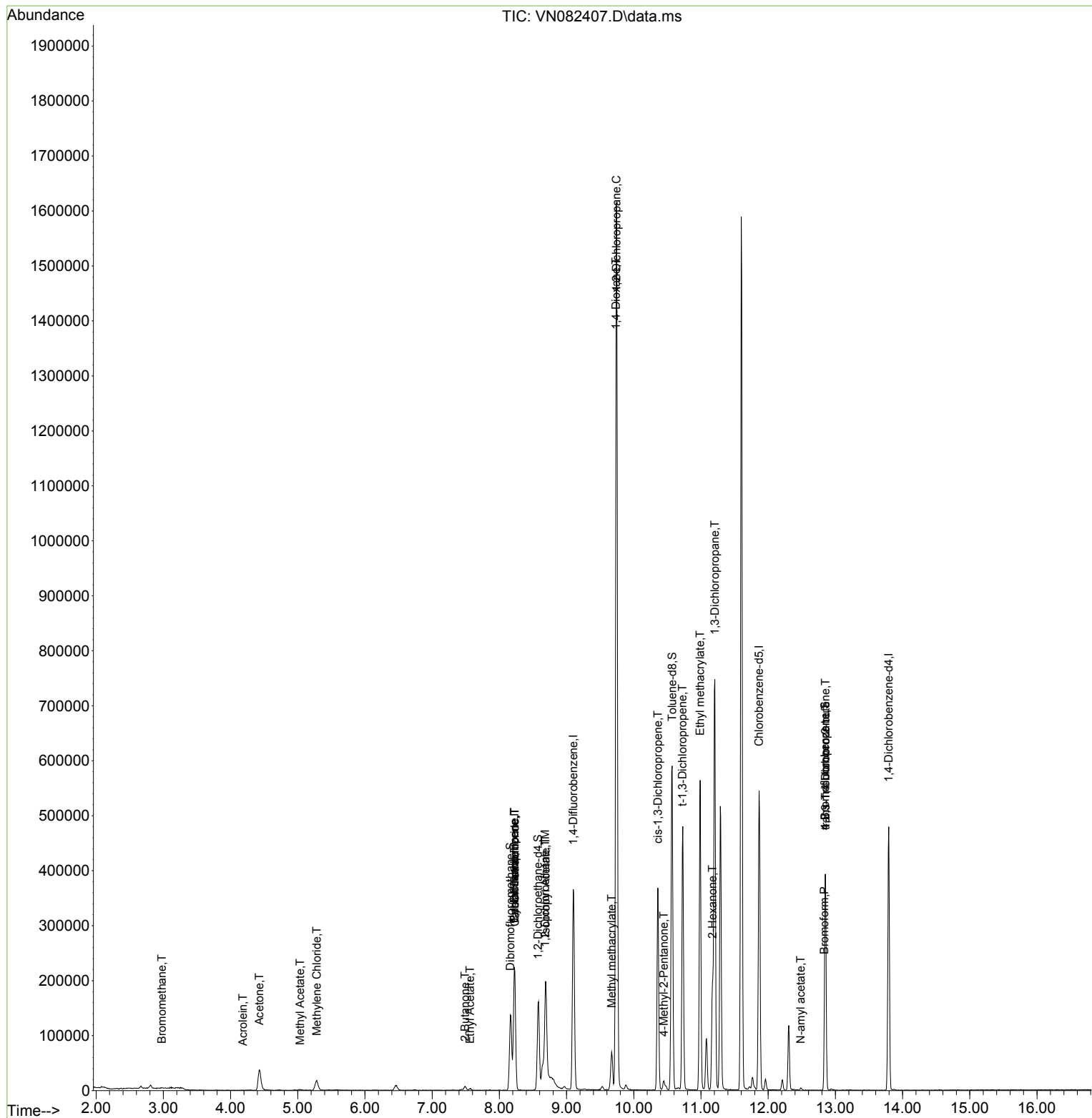
Internal Standards						
1) Pentafluorobenzene	8.224	168	157279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133338	53.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.380%			
35) Dibromofluoromethane	8.165	113	95242	53.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.600%			
50) Toluene-d8	10.571	98	377166	55.566	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.140%			
62) 4-Bromofluorobenzene	12.847	95	128364	52.984	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.960%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	471	0.339	ug/l	93
13) Acrolein	4.183	56	127	0.430	ug/l #	79
16) Acetone	4.430	43	73972	72.609	ug/l	91
18) Methyl Acetate	5.036	43	3208	1.264	ug/l #	70
20) Methylene Chloride	5.283	84	12323	5.995	ug/l #	84
25) 2-Butanone	7.488	43	11385	7.371	ug/l	99
31) Cyclohexane	8.224	56	4430	1.117	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	14927	5.027	ug/l #	47
37) Ethyl Acetate	7.565	43	4866	1.464	ug/l #	83
38) Carbon Tetrachloride	8.230	117	17170	5.704	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1064	0.312	ug/l #	73
43) Isopropyl Acetate	8.688	43	329788	56.008	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1980	0.867	ug/l #	45
48) Methyl methacrylate	9.671	41	5249	1.871	ug/l #	38
49) 1,4-Dioxane	9.735	88	64	1.628	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18736	5.600	ug/l #	70
53) t-1,3-Dichloropropene	10.724	75	1060	0.324	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	56718	16.362	ug/l #	73
56) Ethyl methacrylate	10.988	69	1566	0.478	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7166	1.985	ug/l #	42
59) 2-Hexanone	11.171	43	160200	65.399	ug/l #	23
71) Bromoform	12.835	173	400	0.940	ug/l #	1
74) N-amyl acetate	12.482	43	2360	0.465	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	75750	31.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75750	72.543	ug/l #	12

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB161190ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

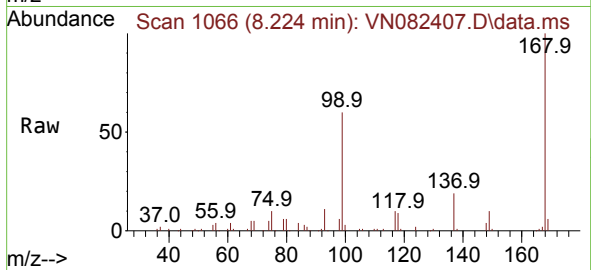
Quant Time: May 31 22:58:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



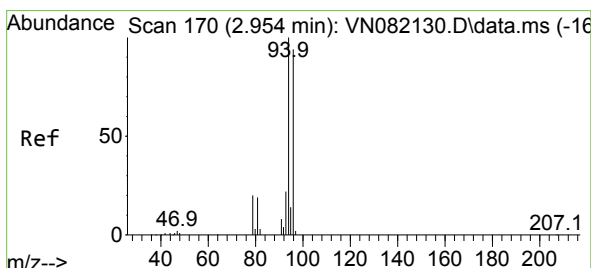
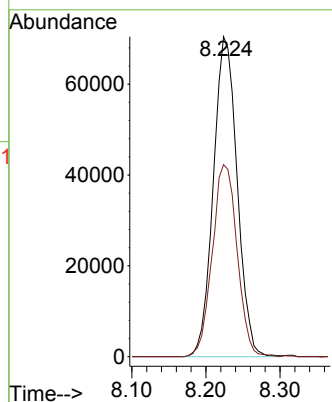
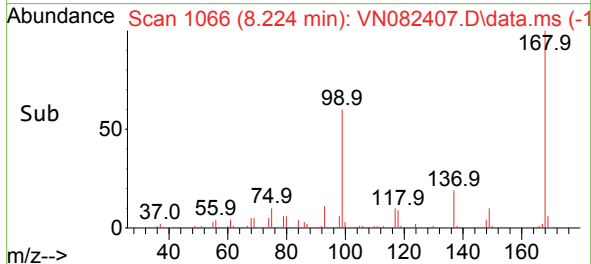


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

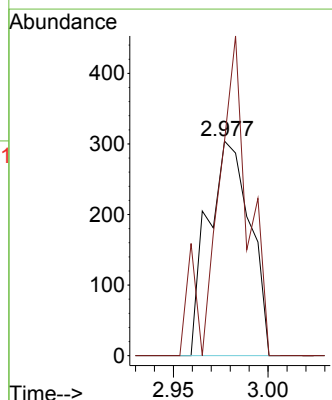
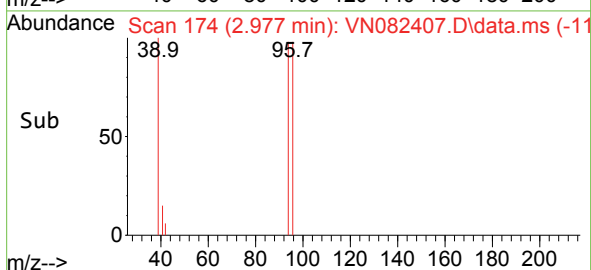
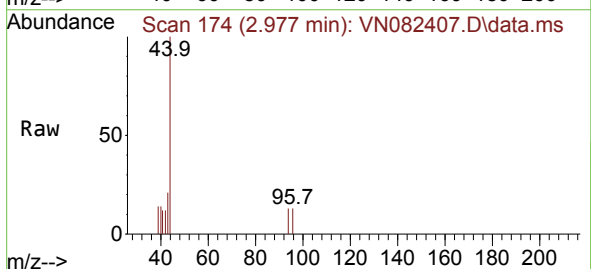


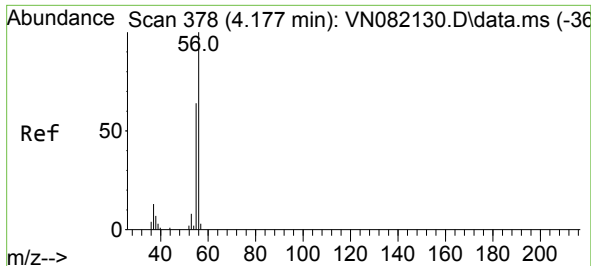
Tgt Ion:168 Resp: 157279
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#5
Bromomethane
Concen: 0.339 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 100.0 74.8 112.2





#13

Acrolein

Concen: 0.430 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

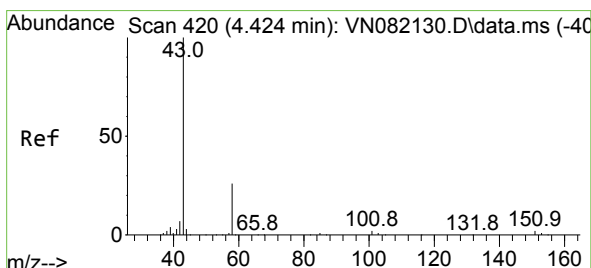
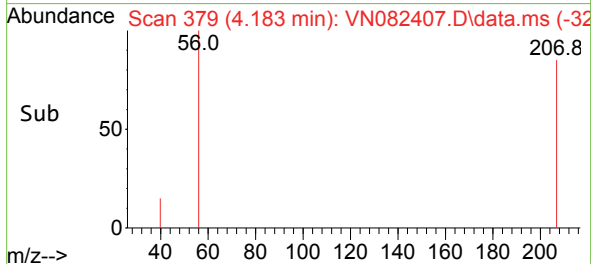
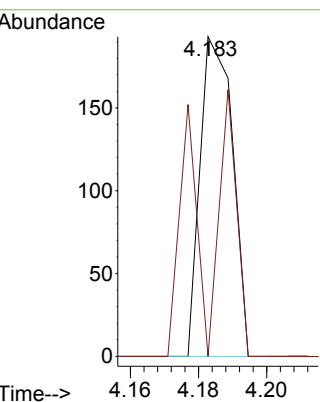
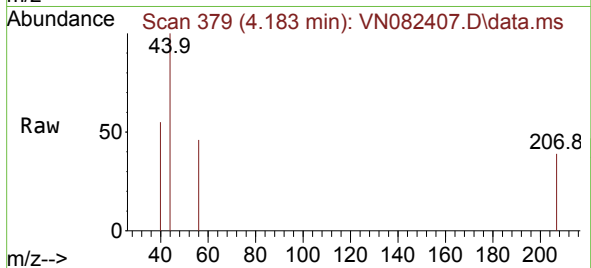
PB161190ZHE#05

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 86.6 55.8 83.8#



#16

Acetone

Concen: 72.609 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN082407.D

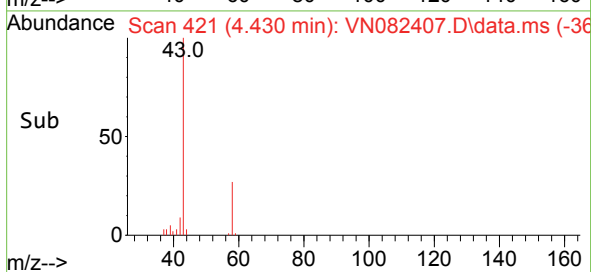
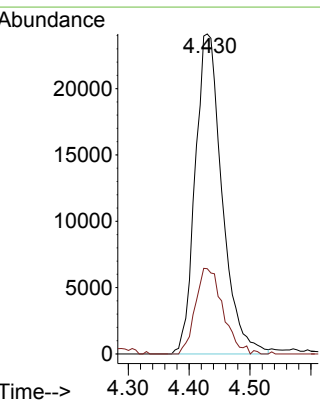
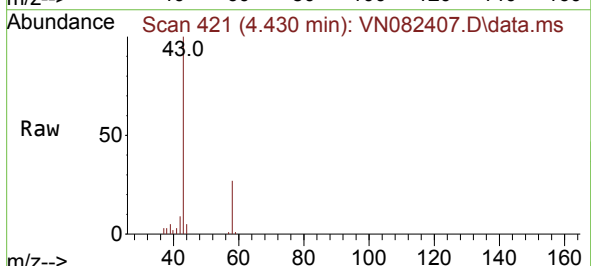
Acq: 31 May 2024 14:46

Tgt Ion: 43 Resp: 73972

Ion Ratio Lower Upper

43 100

58 26.7 25.2 37.8





#18

Methyl Acetate

Concen: 1.264 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

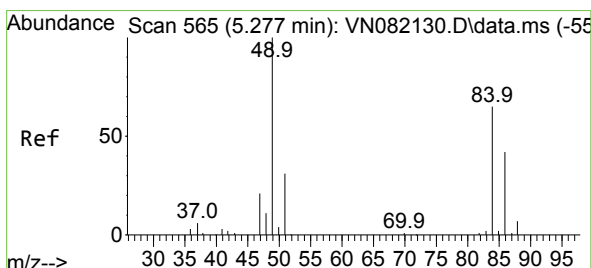
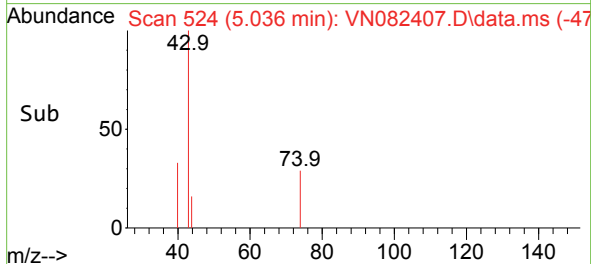
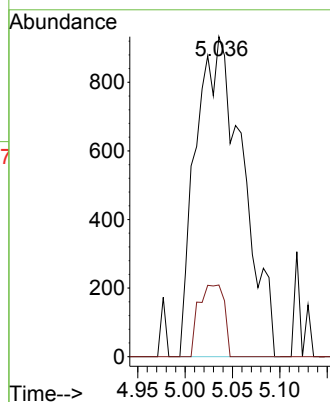
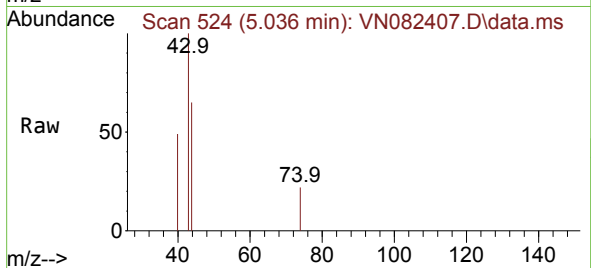
PB161190ZHE#05

Tgt Ion: 43 Resp: 3208

Ion Ratio Lower Upper

43 100

74 12.1 22.2 33.2#



#20

Methylene Chloride

Concen: 5.995 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Tgt Ion: 84 Resp: 12323

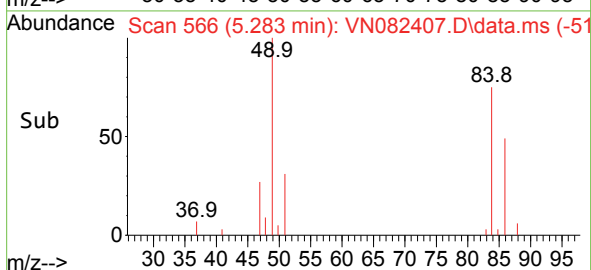
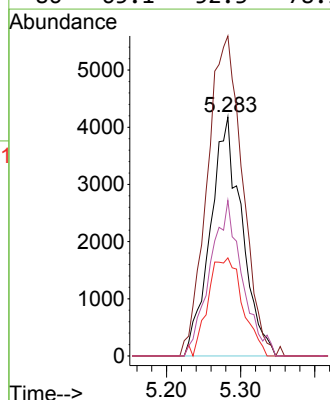
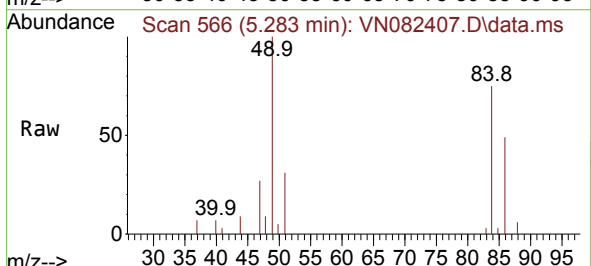
Ion Ratio Lower Upper

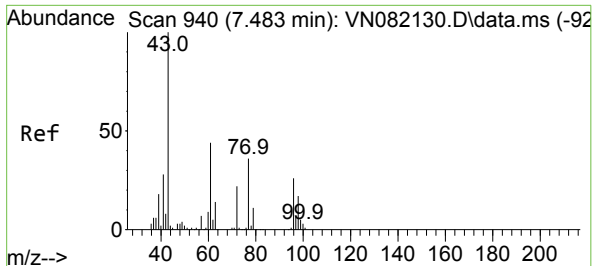
84 100

49 133.9 84.9 127.3#

51 41.1 27.0 40.6#

86 65.1 52.3 78.5

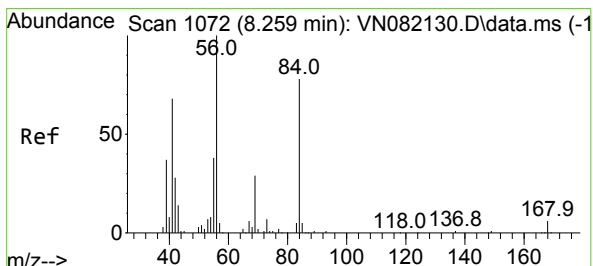
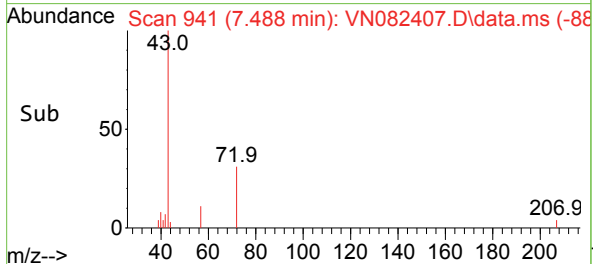
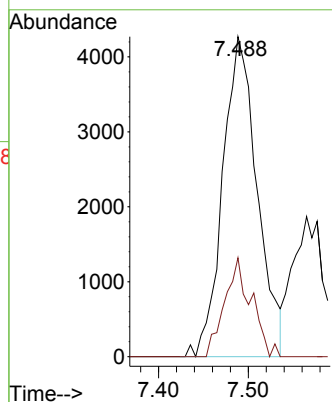
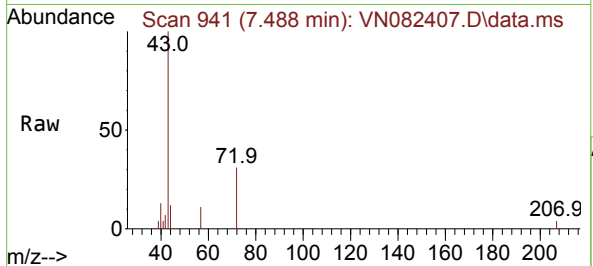




#25
2-Butanone
Concen: 7.371 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

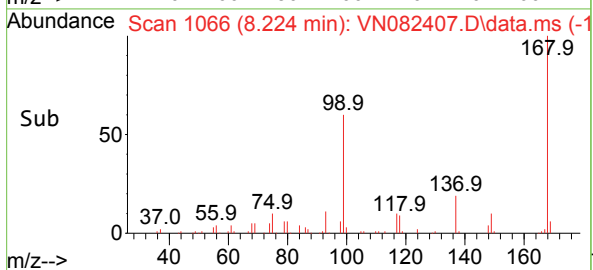
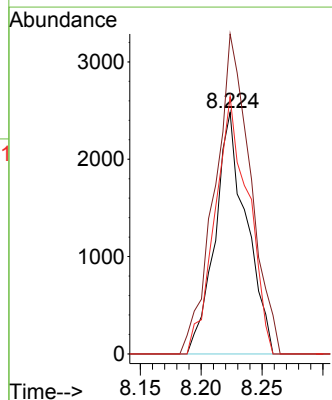
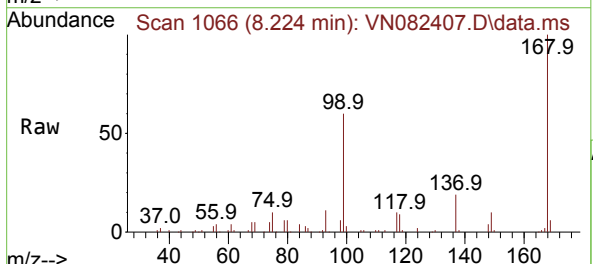
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

Tgt Ion: 43 Resp: 11385
Ion Ratio Lower Upper
43 100
72 30.9 25.3 37.9



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion: 56 Resp: 4430
Ion Ratio Lower Upper
56 100
69 132.5 24.4 36.6#
84 106.5 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.690 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

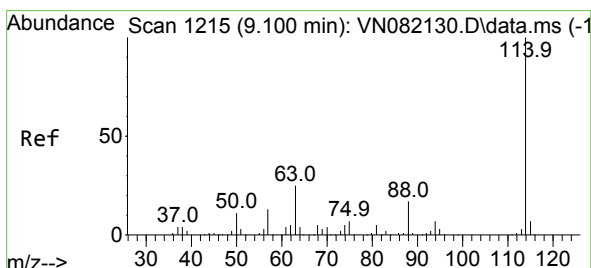
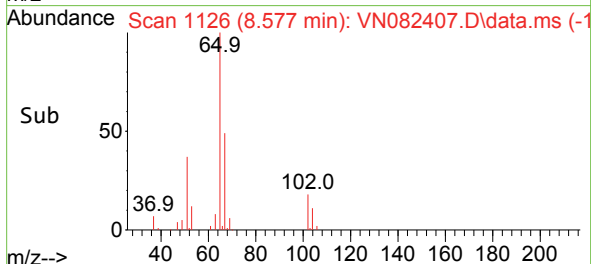
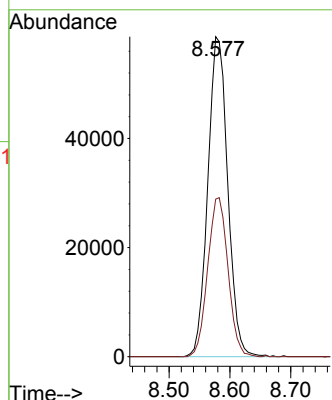
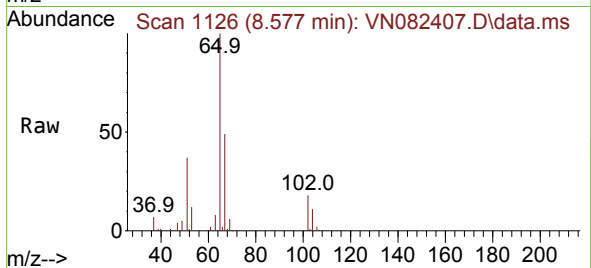
PB161190ZHE#05

Tgt Ion: 65 Resp: 133338

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

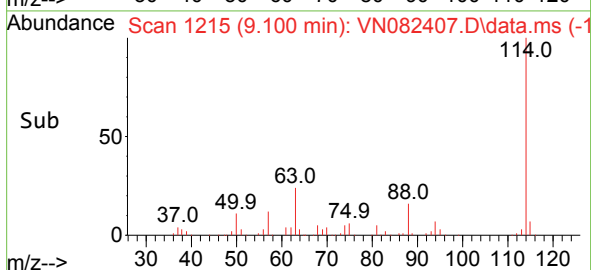
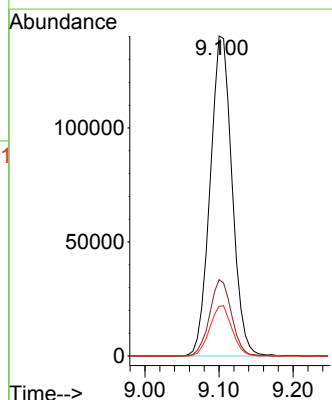
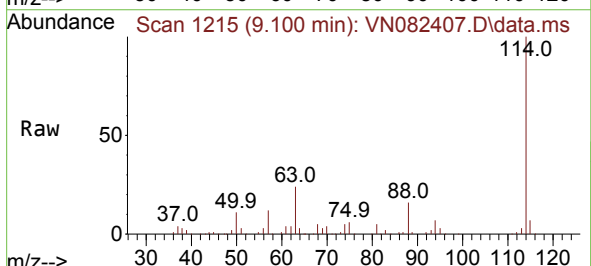
Tgt Ion: 114 Resp: 287806

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 15.5 0.0 31.4

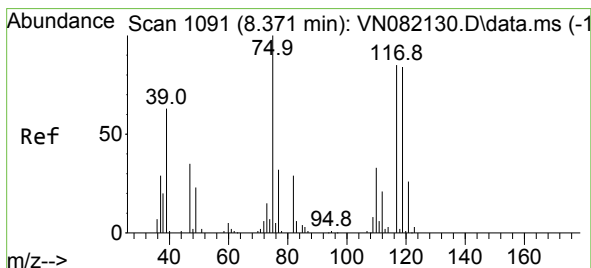
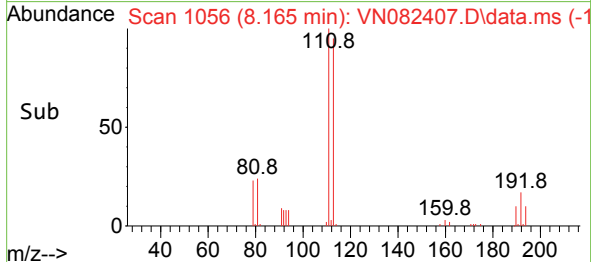
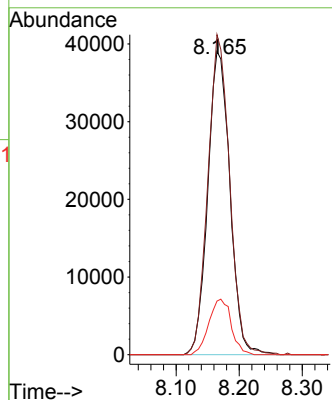
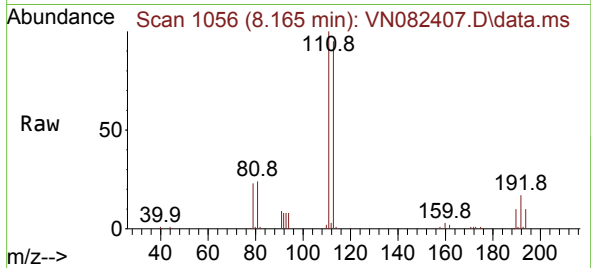




#35
Dibromofluoromethane
Concen: 53.795 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

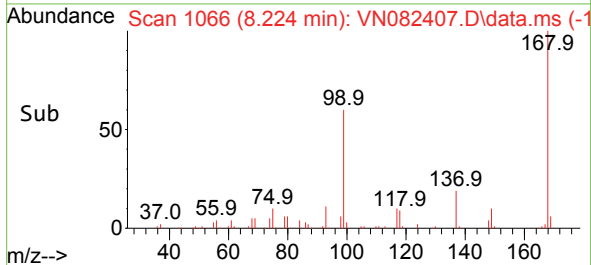
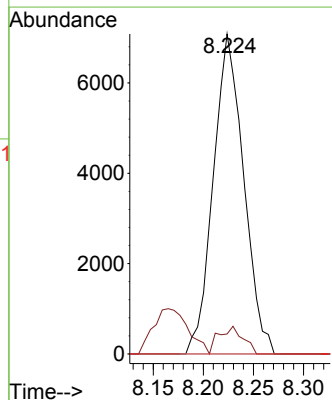
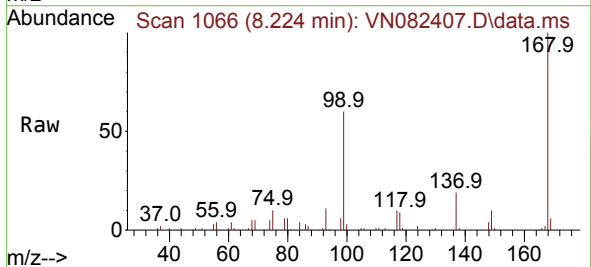
Instrument :
MSVOA_N
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PB161190ZHE#05

Tgt Ion:113 Resp: 95242
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion: 75 Resp: 14927
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 25.0 37.4#

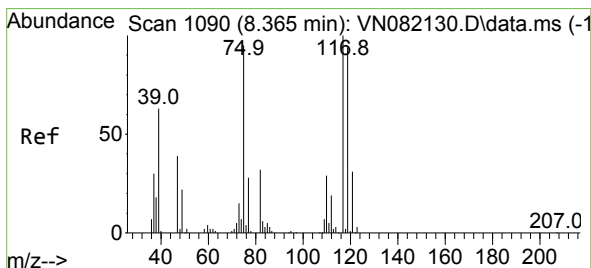
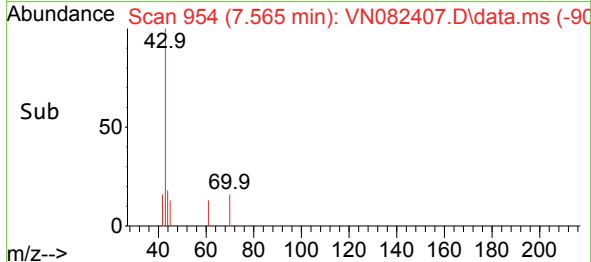
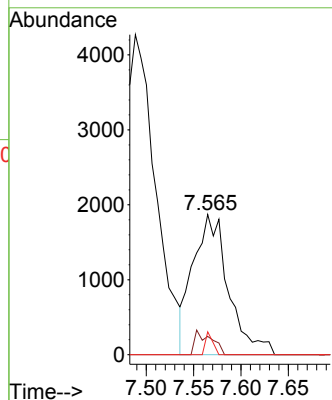
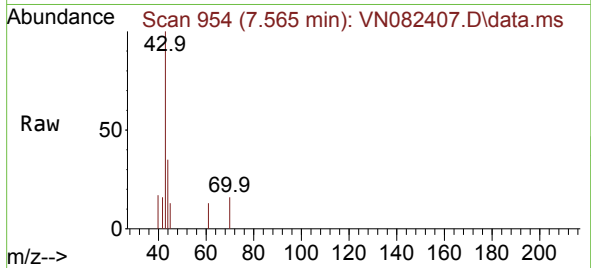




#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

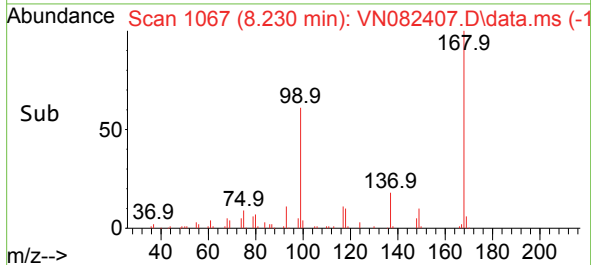
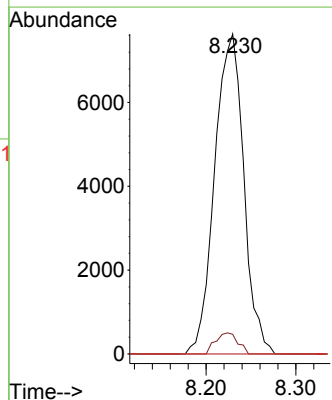
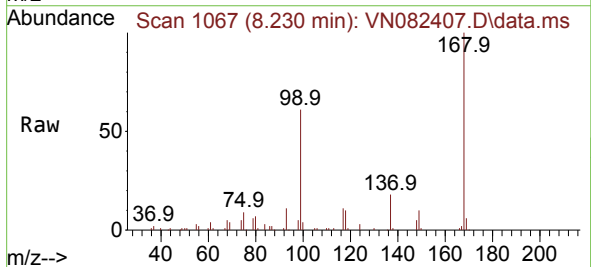
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

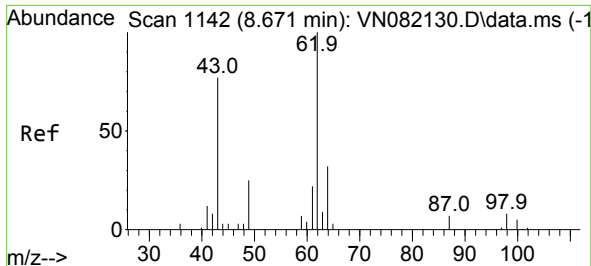
Tgt Ion: 43 Resp: 4866
Ion Ratio Lower Upper
43 100
61 8.1 11.3 16.9#
70 3.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.704 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion: 117 Resp: 17170
Ion Ratio Lower Upper
117 100
119 6.2 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.312 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

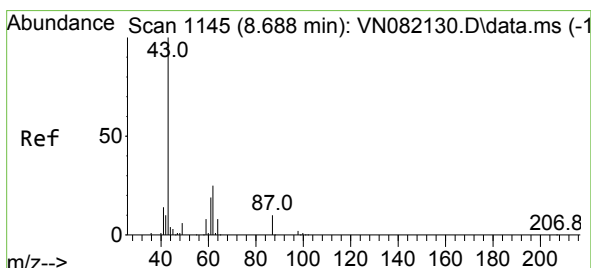
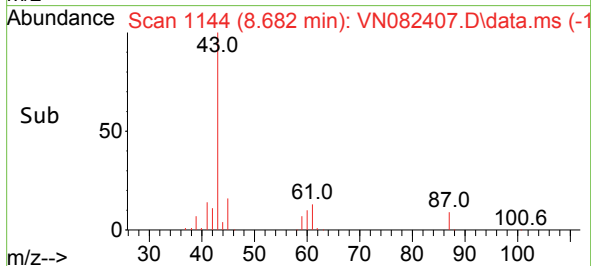
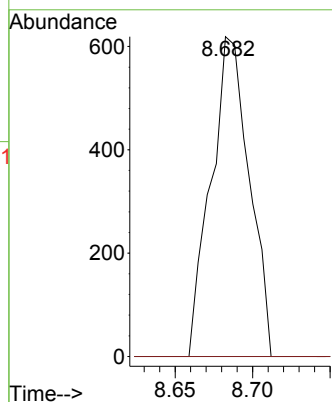
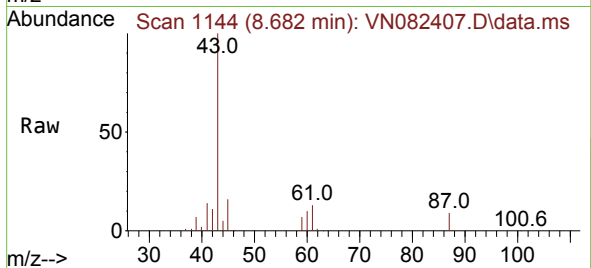
PB161190ZHE#05

Tgt Ion: 62 Resp: 1064

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 56.008 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

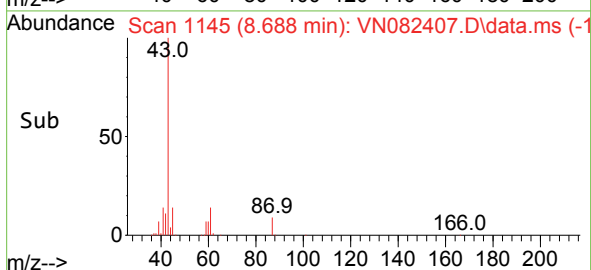
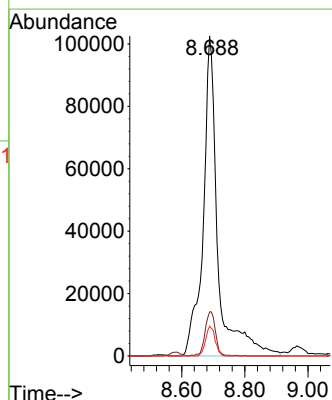
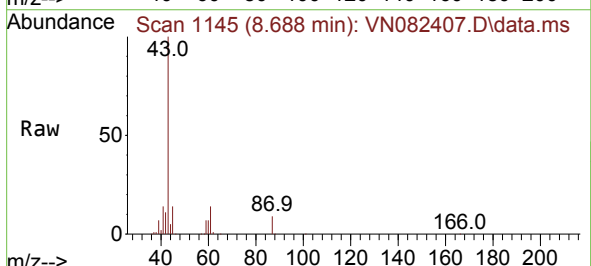
Tgt Ion: 43 Resp: 329788

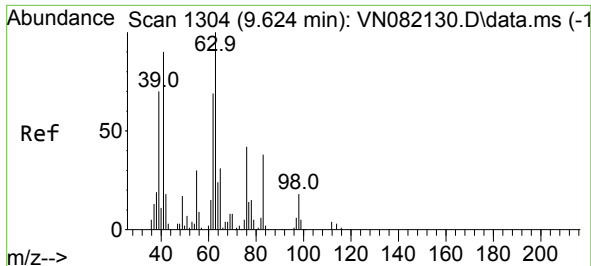
Ion Ratio Lower Upper

43 100

61 9.8 22.8 34.2#

87 6.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.867 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

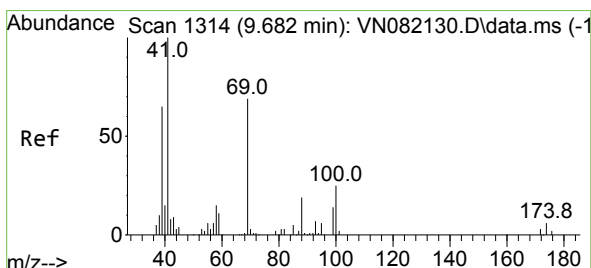
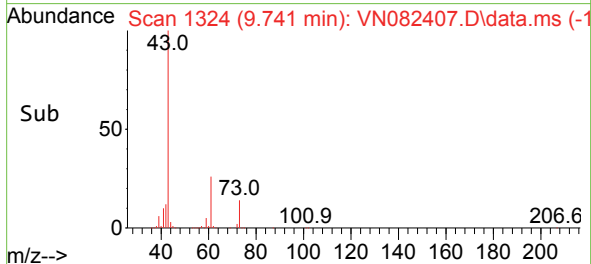
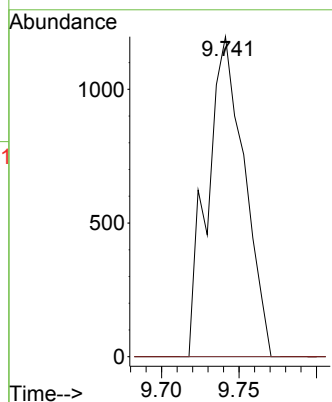
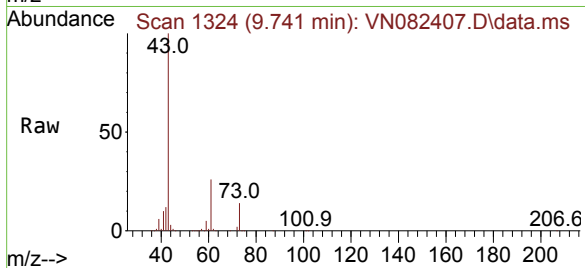
PB161190ZHE#05

Tgt Ion: 63 Resp: 1980

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.871 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

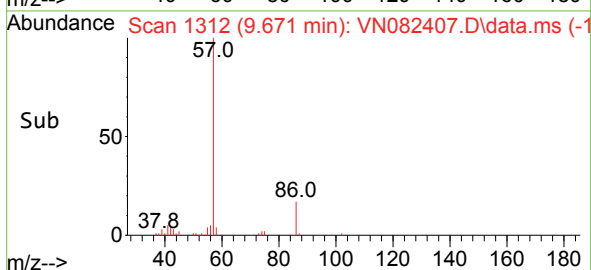
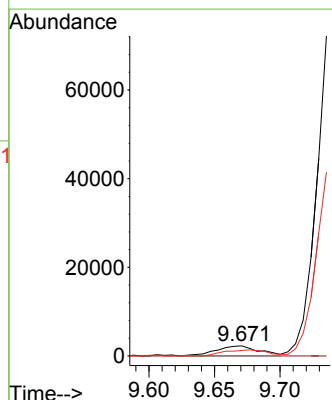
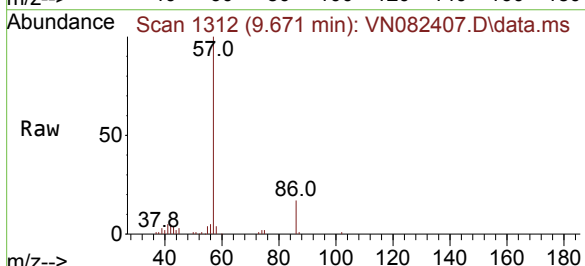
Tgt Ion: 41 Resp: 5249

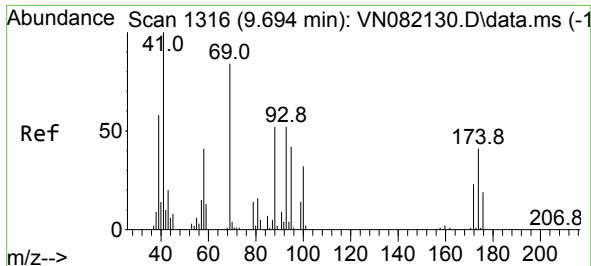
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 59.7 50.9 76.3





#49

1,4-Dioxane

Concen: 1.628 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082407.D

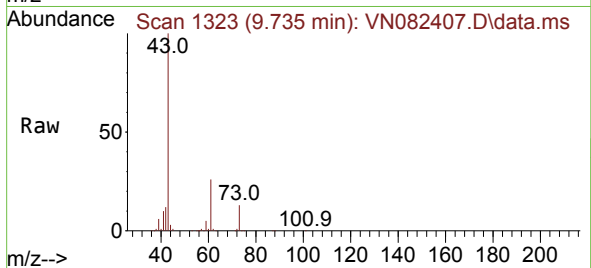
Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#05



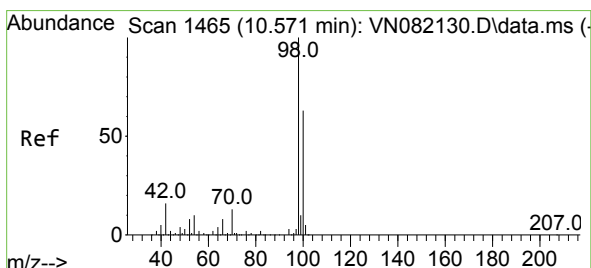
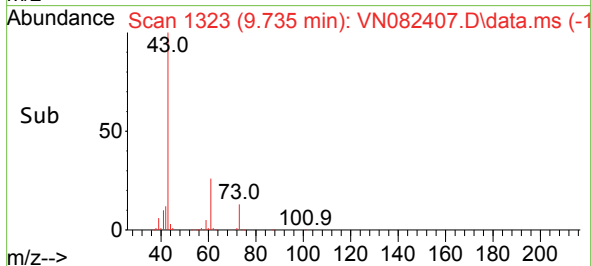
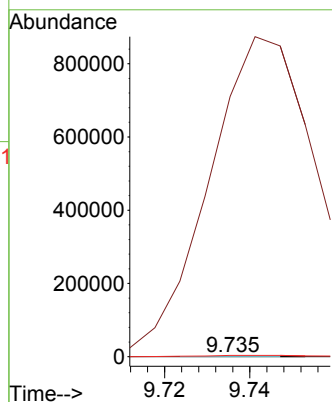
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 2478992.2 19.0 28.6#

58 10789.1 50.6 76.0#



#50

Toluene-d8

Concen: 55.566 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082407.D

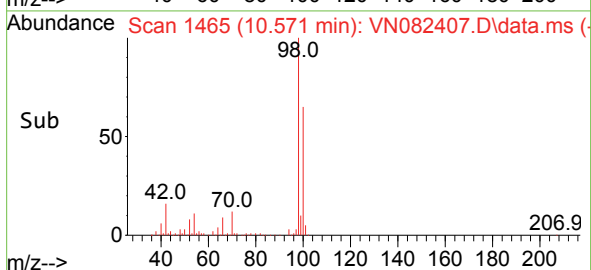
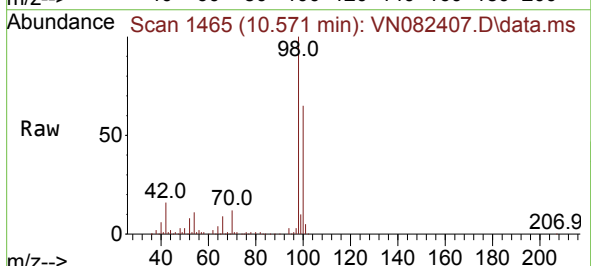
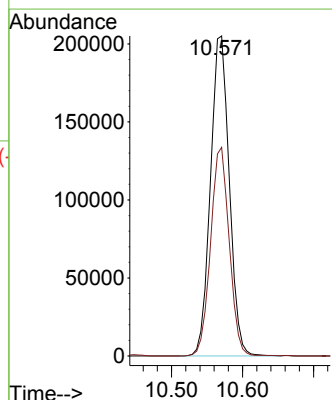
Acq: 31 May 2024 14:46

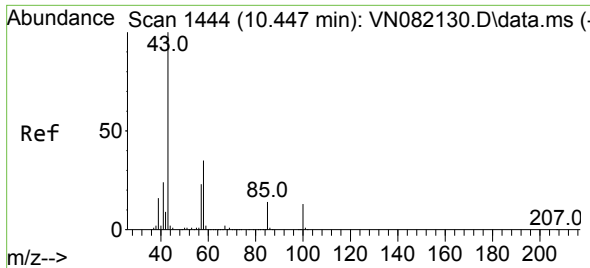
Tgt Ion: 98 Resp: 377166

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

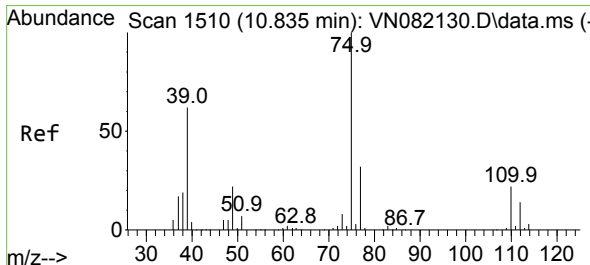
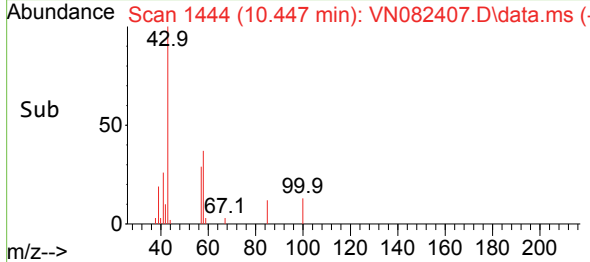
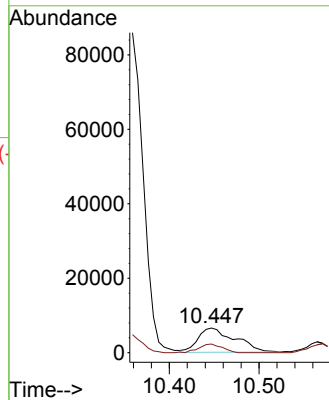
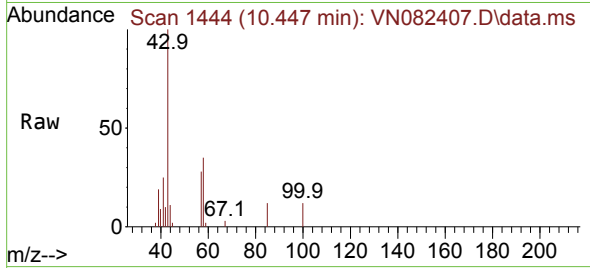




#51
4-Methyl-2-Pentanone
Concen: 5.600 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

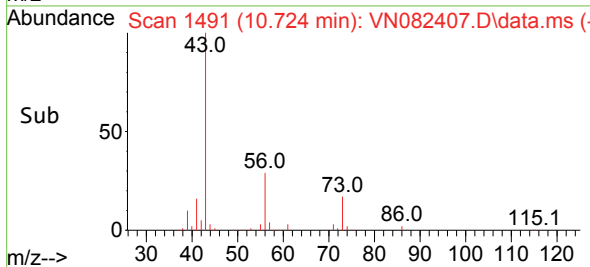
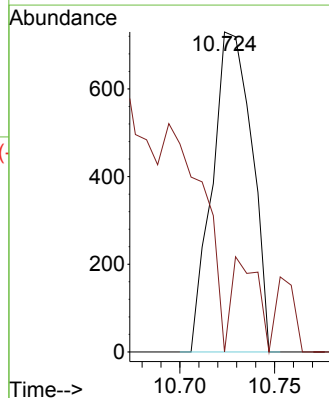
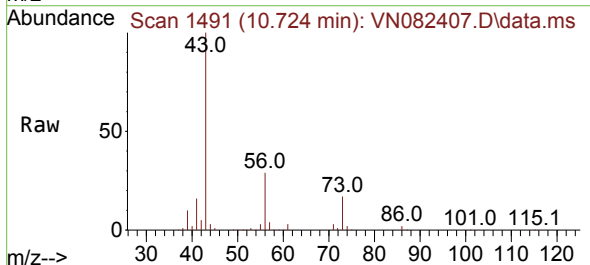
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

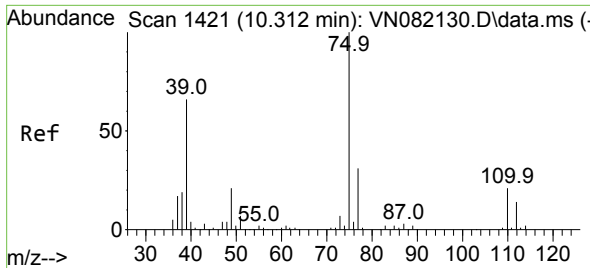
Tgt Ion: 43 Resp: 18736
Ion Ratio Lower Upper
43 100
58 22.7 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.324 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion: 75 Resp: 1060
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

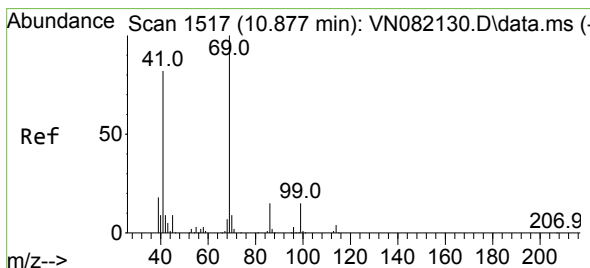
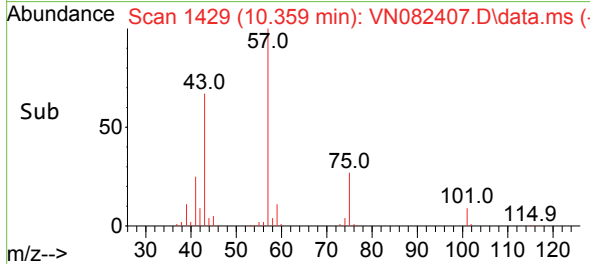
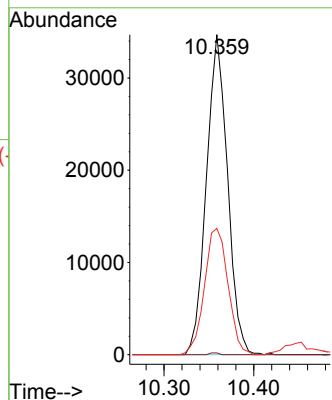
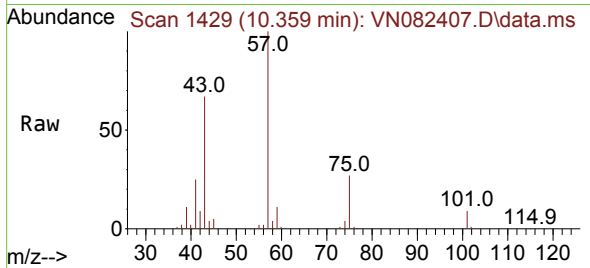




#54
cis-1,3-Dichloropropene
Concen: 16.362 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

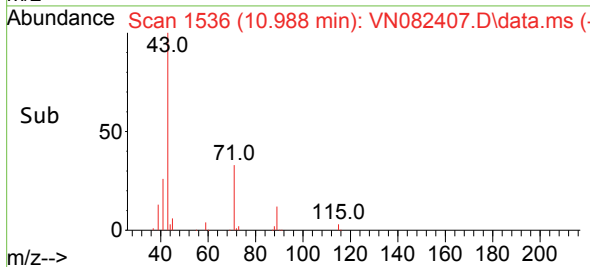
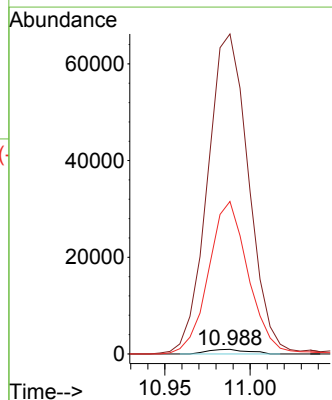
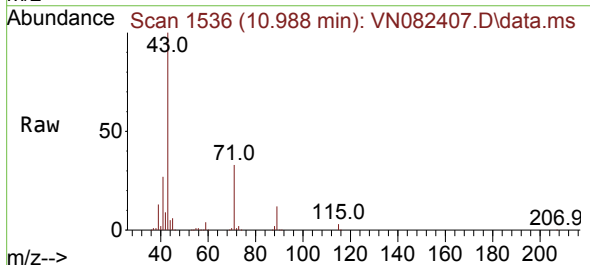
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

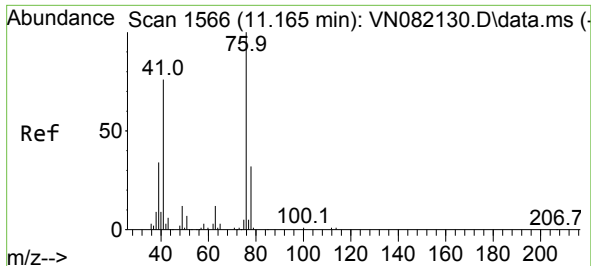
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.0	37.4#
39	39.5	34.8	52.2



#56
Ethyl methacrylate
Concen: 0.478 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	7129.9	46.6	70.0#
39	3289.6	26.5	39.7#





#57

1,3-Dichloropropane

Concen: 1.985 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

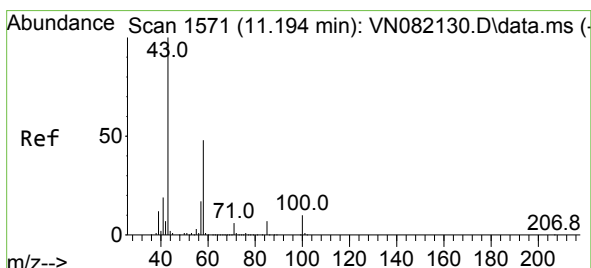
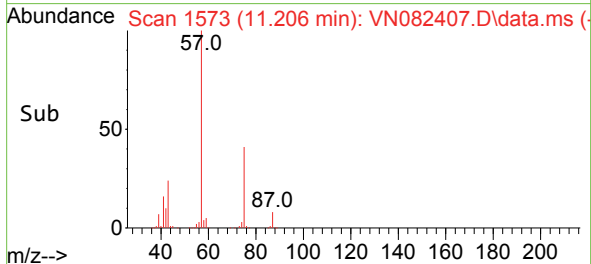
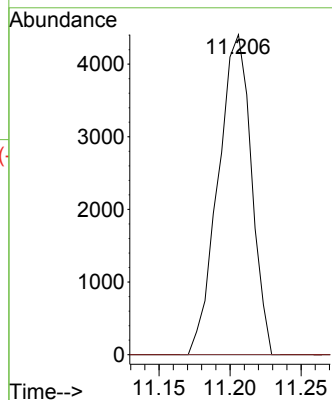
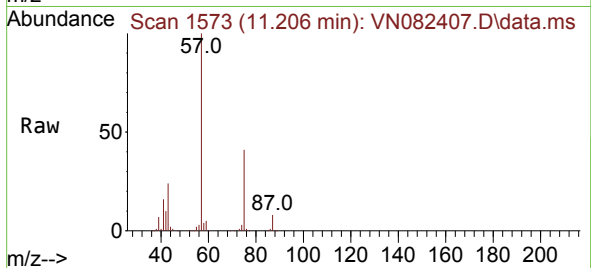
PB161190ZHE#05

Tgt Ion: 76 Resp: 7166

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 65.399 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082407.D

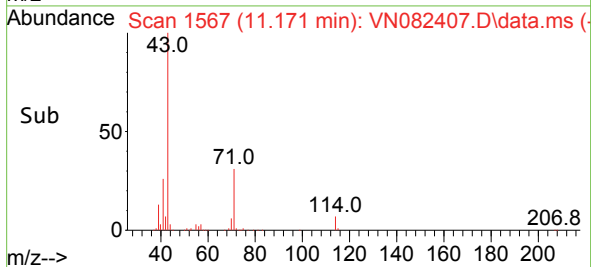
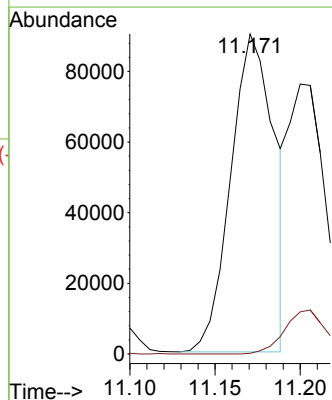
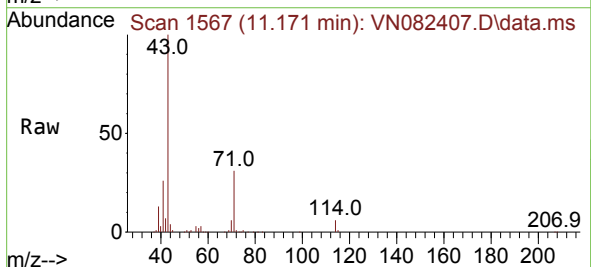
Acq: 31 May 2024 14:46

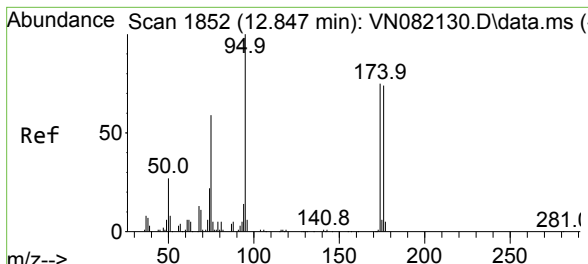
Tgt Ion: 43 Resp: 160200

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

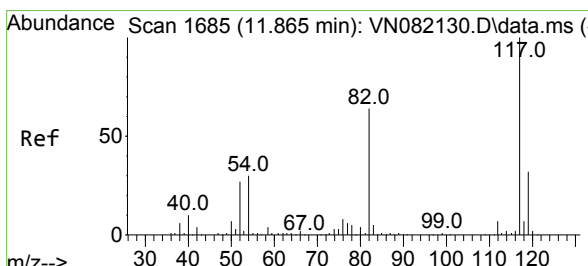
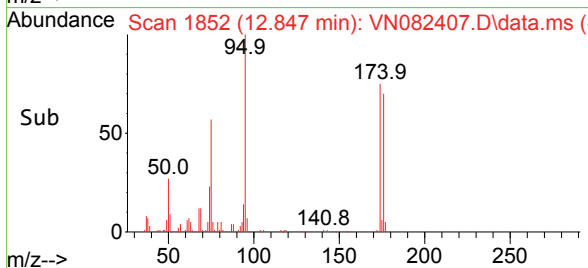
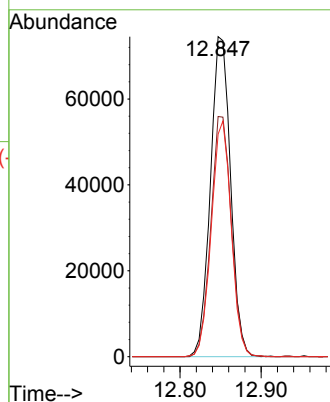
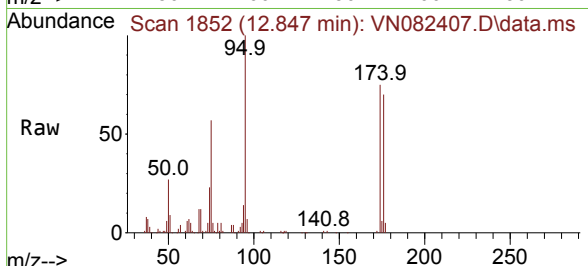




#62
4-Bromofluorobenzene
Concen: 52.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

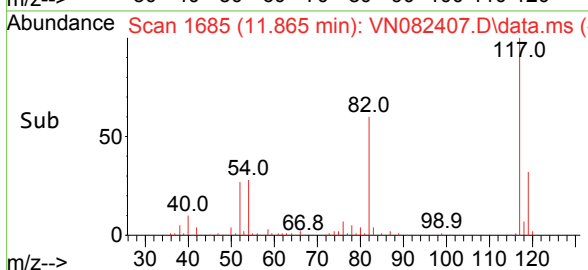
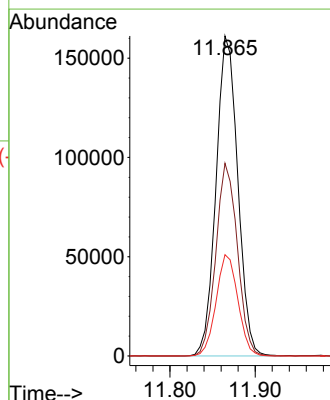
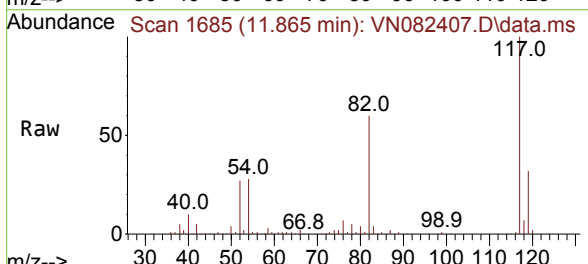
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

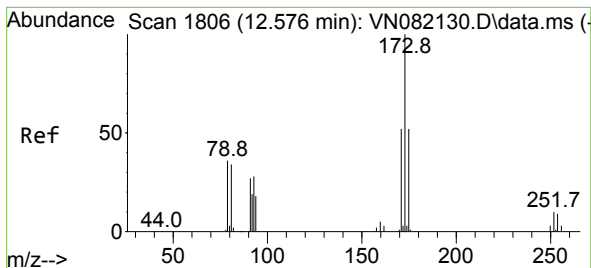
Tgt Ion:	95	Resp:	128364
Ion Ratio	Lower	Upper	
95	100		
174	76.6	0.0	160.6
176	72.8	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

Tgt Ion:	117	Resp:	285518
Ion Ratio	Lower	Upper	
117	100		
82	60.2	44.6	66.8
119	31.6	25.9	38.9





#71

Bromoform

Concen: 0.940 ug/l

RT: 12.835 min Scan# 1806

Delta R.T. 0.259 min

Lab File: VN082407.D

Acq: 31 May 2024 14:46

Instrument :

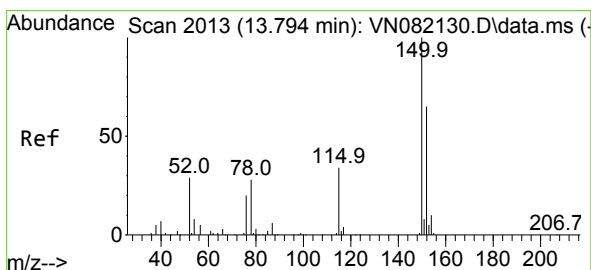
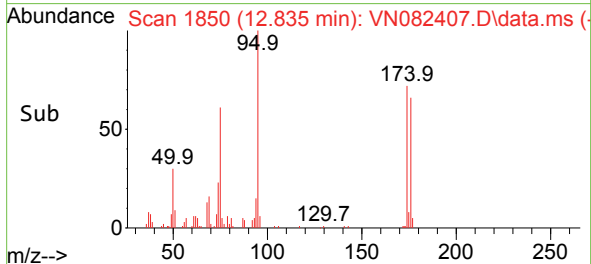
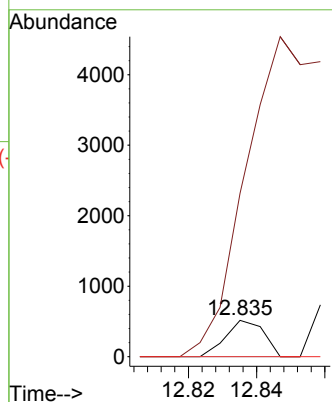
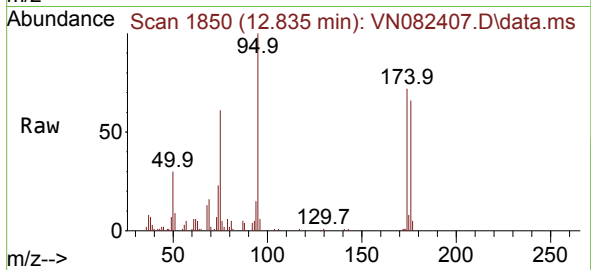
MSVOA_N

ClientSampleId :

PB161190ZHE#05

Tgt Ion:173 Resp: 400

Ion	Ratio	Lower	Upper
173	100		
175	1365.5	24.6	74.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

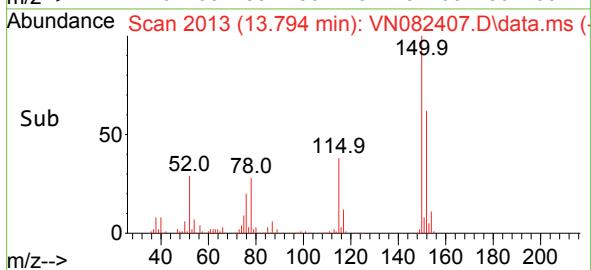
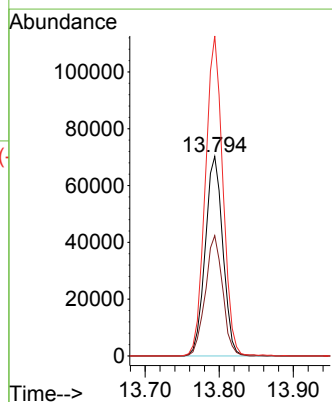
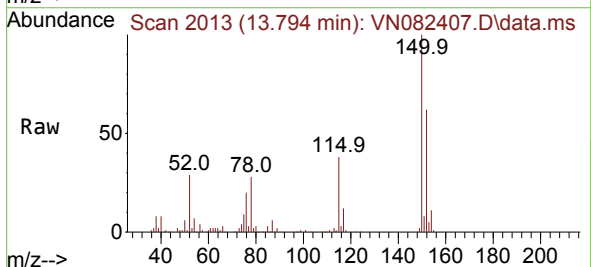
Delta R.T. -0.000 min

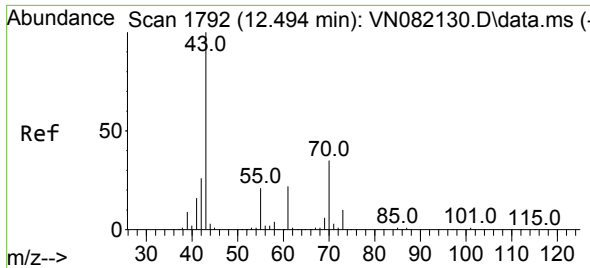
Lab File: VN082407.D

Acq: 31 May 2024 14:46

Tgt Ion:152 Resp: 116040

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.4	91.3
150	159.3	0.0	353.2

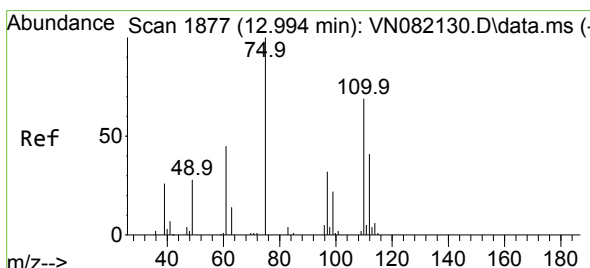
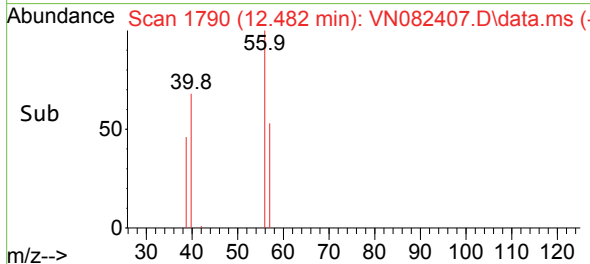
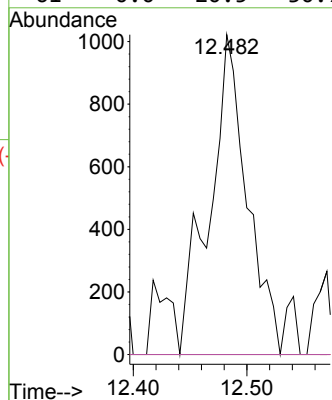
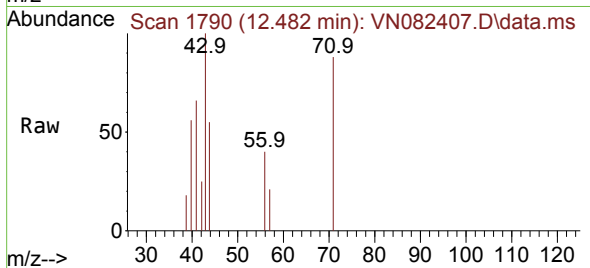




#74
N-amy1 acetate
Concen: 0.465 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

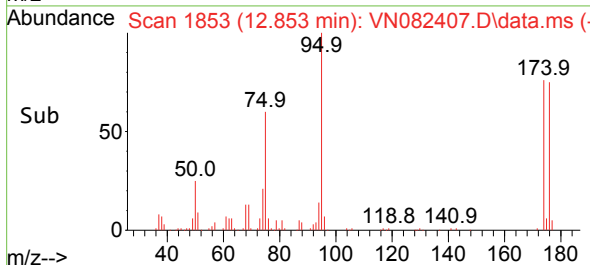
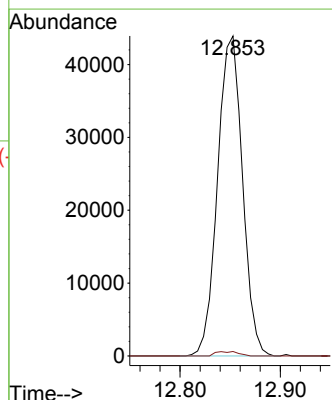
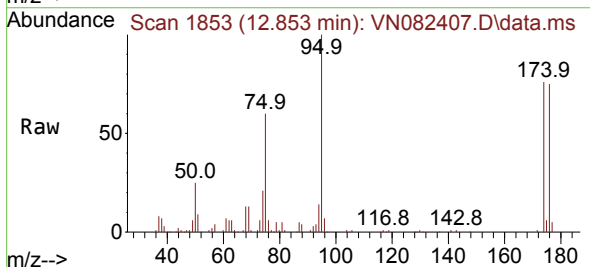
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#05

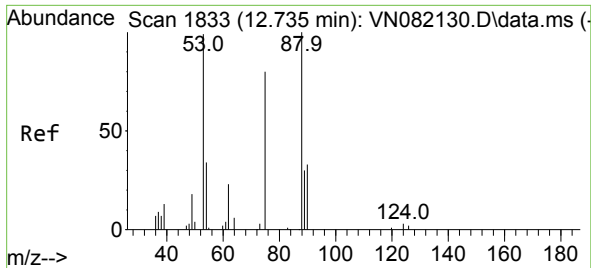
Tgt Ion: 43	Resp: 2360
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 31.015 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082407.D
Acq: 31 May 2024 14:46

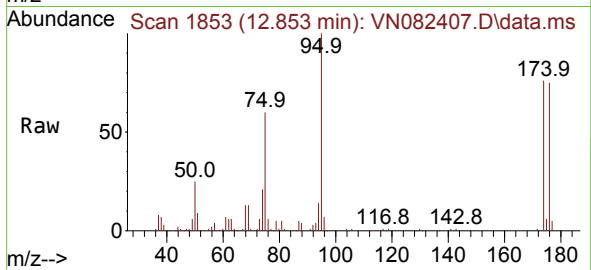
Tgt Ion: 75	Resp: 75750
Ion Ratio	Lower Upper
75	100
77	1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.543 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082407.D
 Acq: 31 May 2024 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#05



Tgt Ion: 75 Resp: 75750
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.1 39.1 58.7#

